

**From:** [McMillan, Teresa](#)  
**To:** [Coltrain, Katrina](#)  
**Subject:** FW: Wilcox SAP COPCs  
**Date:** Tuesday, March 29, 2016 4:15:56 PM

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Here you go.

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**From:** Radu, Cristina  
**Sent:** Tuesday, March 29, 2016 12:53 PM  
**To:** Vega, Luis <lvega@eaest.com>  
**Cc:** McMillan, Teresa <tmcmillan@eaest.com>; Moss, Pamela <pmoss@eaest.com>; Stroup, Jason <jstroup@eaest.com>  
**Subject:** RE: Wilcox SAP COPCs

Here is what I have in the SAP:

The current COPCs at the site are as follows:

1. VOCs
2. EDB - Method 8011 – need low detection limit
3. PAHs
4. SVOCs
5. TAL metals
6. Mercury, and
7. Cyanide.

In addition, a select number of soil samples in the process areas (5 percent) of the shallow surface soil samples (0.0-0.6 ft bgs) will also be analyzed for:

1. PCB
2. Pesticides
3. Dioxins/furans.

Moreover, a limited number of shallow soil samples (0.0 to 0.5 ft bgs), surface water, sediment, ground water, and waste will also be analyzed for NORM/TENORM.

The COPCs for the site will be initially applied conservatively to all media across the investigation, as the set of COPCs cannot be refined until source characterization has been completed.

Additional testing will be performed, as follows:

1. Surface water:

- a. Dissolved metals
  - b. pH
  - c. Hardness
  - d. Total dissolved solids (TDS)
  - e. Total suspended solids (TSS)
  - f. Alkalinity
  - g. Organic carbon
  - h. Acid volatile sulfide (AVS)
2. Sediment samples:
- Grain size (20 percent of samples)
  - Total organic carbon
  - pH

The samples associated with Source No. 1, the Cooling Pond, will also be analyzed for hexavalent chromium.

Analysis for NORM/TENORM is anticipated to be performed on soil, surface water, sediment, ground water, and waste. NORM/TENORM analyses include the following:

- Soil: Gamma spectroscopy NORM, gross alpha/beta, total uranium, and total thorium.
- Water: gamma spectroscopy (radium-226/228), gross alpha/beta, total uranium, and total thorium.

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